

MFM *tsr*



John P. Cahill
Commissioner

FOIL

Releasable

Non-Releasable

MEMORANDUM

TO: Martin Doster
FROM: David Szymanski *DS*
SUBJECT: Howell Street Site, Buffalo(C), Erie County
Surficial Soil/ Storm Sewer Sampling (April 2, 1998)

DATE: May 15, 1998

On the above-noted date, fourteen soil samples and one water sample were taken to ascertain the presence, and verify the concentrations, of PCBs in soils and storm-sewer water surrounding the above-noted site. PCBs were found to exist, previously, at levels exceeding TAGM 4046 cleanup goals (10 mg/Kg for sub-surface and 1 mg/Kg for surface soil) inside of the subject property in an area where above ground storage tanks once stood.

Soil Samples were taken from nine points along the north, east and west perimeters of the site, along with four samples surrounding an unoccupied triangular parcel on the west side of Howell Street and one sample from soil along Scajaquada Creek. The water sample came from a storm-sewer discharge from Howell Street to the Creek. See the attached site map for sample locations. A description of each sample along with reported PCB results are as follows:

<u>Soil Samples:</u>	<u>Result in ug/Kg (ug/Liter for W1)</u>
M1: 64' north of southeast corner, at base of large crack in concrete retaining wall; Black fill material with stone and glass.	PCB 1260 - 36
M2: 34' north of southeast corner, at base of large crack in concrete retaining wall; Black fill material.	PCB 1254 - 3600
M3: 20' north of southeast corner, at base of crack in concrete retaining wall; Black fill material.	PCB 1254 - 5800
M4: At joint in concrete retaining wall, southeast corner, where tank containment ends; Fill(?).	PCB 1254 - 4100
M5: 3' from east side of south entrance gate, 5' from fence; Topsoil/Fill(?)	PCB 1254 - 800
M6: 15' south of M5; Topsoil/Fill material; Material appears imported.	PCB 1254 - 110
M7: ~100 east from fence start, 9' south of	PCB 1260 - 49

	fence, 6" deep; Topsoil/Fill(?).		
M8:	Midpoint of soil between Howell St. and entrance gate to triangular parcel.	PCB 1260 -	91
M9:	85' west of northeast corner of triangular parcel, along north fence line; Black Ash-like Fill.	PCB 1260 -	310
AM:	120' east of Howell St., 37' north of northern fence (roller) gate.	PCB 1242 -	110
BM:	2' from Fence at northeast corner of fence, Bush St. side.	PCB Non-Detect	
CM:	96' north of southeast corner, at base of crack in concrete retaining wall; Fill(?).	PCB Non-Detect	
DM:	Stained soil at weep in retaining wall, north side of Scajacuada Creek, along shore.	PCB 1254 -	94
EM:	6' north of southwest corner of triangular parcel, along west fence line.	PCB 1254 -	100

Water Sample:

W1:	Water sample from Howell St.(?) Storm-water outfall to Scajacuada Creek.	PCB/Pest. Non-Detect	
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Due to the presence of three different congeners of PCBs (1242, 1254 and 1260) it may be considered that there were separate sources for the PCB contamination. Overall, it would appear that PCB contamination is widespread in soils adjacent to the known contaminated site, but at levels below the TAGM 4046 sub-surface soils cleanup goal of 10mg/Kg, although several are in exceedance of the 1mg/Kg goal for surface soil.

In Addition to the PCBs analysis, Sample M9 was analyzed for metals. Of note are elevated levels of Arsenic (110 mg/Kg), Copper (128 mg/Kg), Nickel (39.3 mg/Kg) and Zinc (305 mg/Kg). Arsenic is of particular concern, as the Toxicity Characteristic (TCLP method) is set at 5 mg/L.

Also, Sample W1 was submitted for Semi-Volatile Organics and Pesticides analysis. There were only two Semi-Volatile detections reported: Di-n-Butylphthalate (2ug/L-estimated value) and Bis(2-Ethylhexyl)Phthalate (1ug/L - estimated value). Due to the low reported values, and possibility of field or lab cross-contamination, these contaminants are not of significance for this sample. Also, no PCBs were detected in this sample.

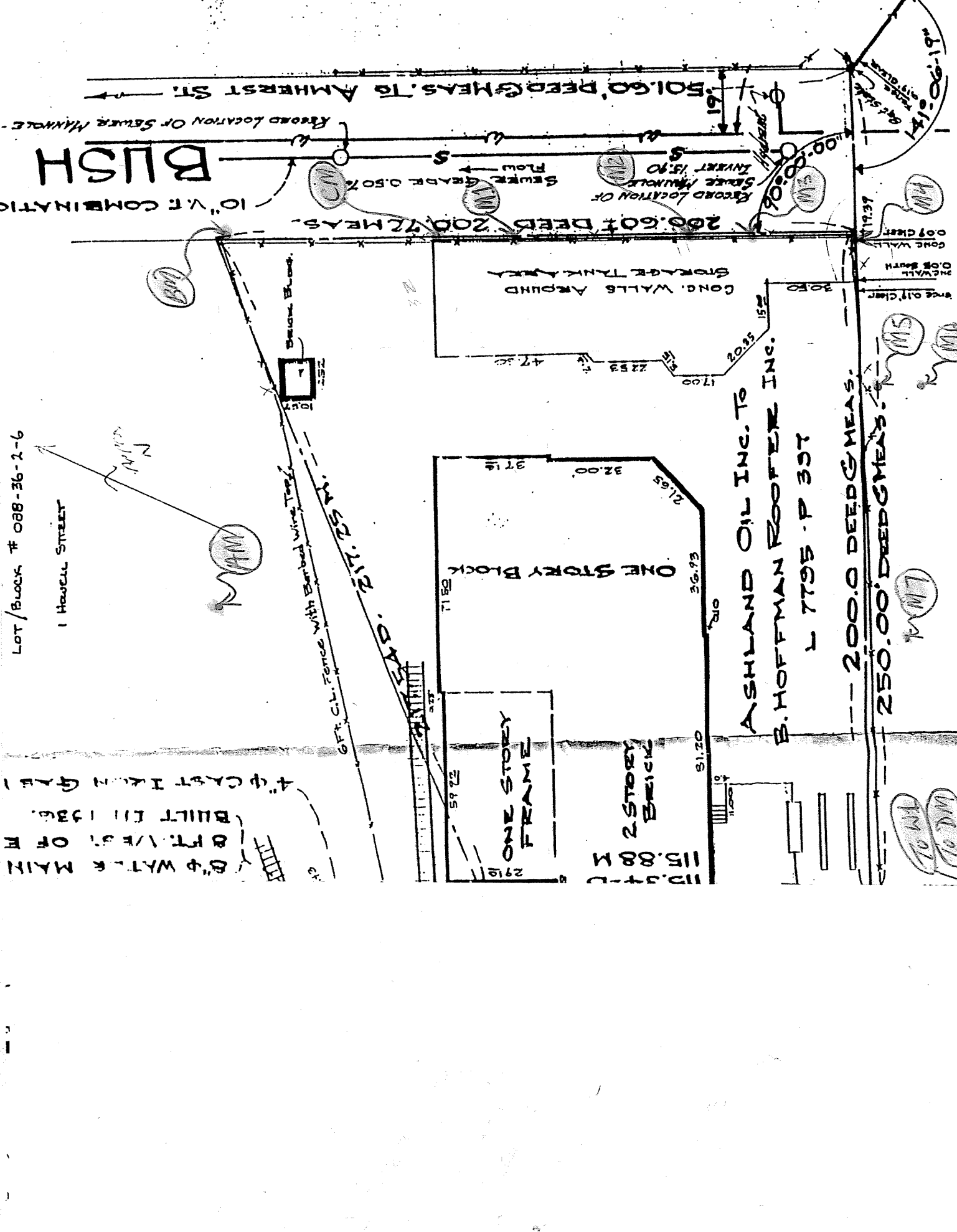
Levels of PCB contamination in soil at depths greater than 6" are unknown. Also unknown are the locations and contents of abandoned underground tanks and pipelines which are likely to have existed in the past during previous site operations. Due to the presence of PCB contaminants in the majority of samples it would appear that PCBs are traveling or have traveled off-site. Detectable levels of PCB congeners identical to those near the tank storage area, reported in soil at the Creek's edge (downgradient from the site), is indication that migration may be occurring.

More investigation, at depth, is required to assess any impact to groundwater as well as underlying stratigraphy. No PCB analyses exist from the excavated waste from the City sewer work from Bush St. and additional samples would be necessary to determine if sub-surface contamination exists off-site at the eastern property line. Also, metals concentrations, possibly exceeding Characteristic Hazardous Waste levels would require additional TCLP sampling to verify if any environmental or human health threat exists.

LOT / Block # 088-36-2-6
1 HOWELL STREET

6" WATER MAIN
BUILT IN 1936
4" CAST IRON PIPE

10" V.F. COMBINATIC
SEWER MANHOLE
RECORD LOCATION OF SEWER MANHOLE



6 FT. C.I. FENCE WITH BARBED WIRE TOP

ONE STORY FRAME
29.10
59.72
71.50

2 STORY BRICK
15.00
11.00
11.00

ONE STORY BLOCK
32.00
21.65
37.15
36.93

ASHLAND OIL INC. TO
B. HOFFMAN ROOFER INC.
L 7795 - P 337

200.00 DEED & MEAS.
250.00 DEED & MEAS.

COND. WALLS AROUND
STORAGE TANK AREA

COND. WALLS
OF BATH

BEACH BLOCK
10.87
10.87
10.87

200.60 FT DEED & MEAS.

RECORD LOCATION OF
SEWER MANHOLE
SEWER GRADE 0.50%
FLOW

BUSH

44.50
141.06-19"

TO WM
60 DM

Map to Sub - APRIL 2nd 1998 DEC. SAMPLES

New York State Department of Environmental Conservation

Division of Environmental Remediation, Region 9

270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 FAX: (716) 851-7226

mfm
In
Howell St
Acts



John P. Cahill
Commissioner

FOIL

Releasable

Non-Releasable

TO: Tom Vickerson, DER, Albany

FROM: Peter Buechi, Region 9

SUBJECT: Bush Street, Buffalo

DATE: May 15, 1998

This is in response to your memo on the noted subject.

As background, in August 1997, the City of Buffalo uncovered contaminated material when excavating for a waterline on Bush Street. My Spills people were notified and a Spill # was assigned (#9706464). The City was asked to dispose of contaminated material and conduct an investigation of the contamination.

Adjacent to Bush Street is another spill site, Marcon Erectors on Howell Street (#9507939). My Spill staff had been after Marcon for some time to clean out and close abandoned aboveground tankage on their site. They finally began work in September 1997. However, after the cleanup was started, we found out that the tank sludges were not solely petroleum but contained PCBs. My Spills staff tried to Marcon to complete the cleanup of the tanks and conduct an investigation of the site. Marcon did finish the removal of sludge cleaned out of the tanks, but declined to conduct any further investigation or cleanup due to limited financial resources. In October the site was transferred to Marty Doster's unit. Our DSHM staff are pursuing enforcement action against Marcon and their contractor for violation of the hazardous waste regulations as a result of their handling of the PCB contaminated material.

Once we recognized the likely connection between the Marcon site and the contamination in the Bush Street waterline excavation, we advised the City that they would not have to complete an investigation of the Bush Street site, as either Marcon or the Department would undertake such an investigation. The City did not want to wait until such investigation was completed, and proceeded to install their waterline, encapsulating it in plastic and concrete, disposing of contaminated soil and requiring protective equipment for the construction workers. This work cost the City \$55,767. The City requested reimbursement from Marcon, but Marcon refused citing lack of resources.

The initial report from the City's consultant indicated that the excavated material had an odor believed to be from stoddard solvent. I believe that stoddard solvent is petroleum based. Our Spill responder arrived after the excavation was backfilled and the excavated soil was covered with plastic. He did not attempt to smell the excavated soil, nor did he notice any obviously oil contaminated material at the site.

The sampling conducted by the City identified some low level VOCs and several somewhat elevated SVOCs in the soil. None of the VOCs fail the TCLP levels. The City did not have any samples analyzed for PCBs. There is no documentation to identify the excavated soil as a hazardous waste.

The City contacted us about available funding for the cost of the waterline work. We advised them that there was no program for reimbursement of their expenses unless petroleum contamination was involved, and that they could submit such a request to the Central Office for consideration. This undoubtedly led to the package you have received.

If the Spills Program does not believe there is a basis for reimbursement, then it would appear that the City's only recourse is to go against Marcon.

I trust that the above clears up this matter for you. Please call if you have any questions.

PJB:lj

cc: Martin Doster
Francine Gallego
Salvatore Calandra

(a:bushst.pjb)

CAS Rochester

f 1 Howell St



Date: 5-14-98

Number of pages including cover sheet: 2

To: Dave Szymanski

Phone: _____

Fax phone: 851-7226

CC: _____

From: Mike Perry / CF

Columbia Analytical Services:

1 Mustard Street, Suite 250

Rochester, NY 14609

Phone: (716) 288-5380

Fax phone: (716) 288-8475

Missing Pest/PCB data for
 1 Howell St, SDG# 0402,
 received 4/3/98

IMPORTANT NOTE:

The documents accompanying this transmission may contain information which is legally privileged and/or confidential. The information is intended only for the use of the individual or entity named above. If you are not the intended recipient or the person responsible for delivering it to the intended recipient, you are hereby notified that any disclosure, copying, distribution, or use of any of the information contained in this transmission is strictly **PROHIBITED**. If you have received this transmission in error, please immediately notify us by telephone and email the original transmission to us. Thank you for your cooperation and assistance.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BO81W1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: 9804-094 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: 203473

Sample wt/vol: 1000 (g/ml) ML Lab File ID: FN958.D

% Moisture: _____ decanted: (Y/N) N Date Received: 04/03/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 04/08/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
319-84-6	alpha-BHC	0.050	U	
58-89-9	gamma-BHC (Lindane)	0.050	U	
76-44-8	Heptachlor	0.050	U	
309-00-2	Aldrin	0.050	U	
319-85-7	beta-BHC	0.050	U	
319-86-8	delta-BHC	0.050	U	
1024-57-3	Heptachlor Epoxide	0.050	U	
959-98-8	Endosulfan I	0.050	U	
5103-74-2	gamma-Chlordane	0.050	U	
5103-71-9	alpha-Chlordane	0.050	U	
72-55-9	4,4'-DDE	0.10	U	
60-57-1	Dieldrin	0.10	U	
72-20-8	Endrin	0.10	U	
33213-65-9	Endosulfan II	0.10	U	
72-54-8	4,4'-DDD	0.10	U	
50-29-3	4,4'-DDT	0.10	U	
7421-36-3	Endrin Aldehyde	0.10	U	
1031-07-8	Endosulfan Sulfate	0.10	U	
72-43-5	Methoxychlor	0.50	U	
53494-70-5	Endrin Ketone	0.10	U	
12674-11-2	Aroclor-1016	1.0	U	
11104-28-2	Aroclor-1221	2.0	U	
11141-16-5	Aroclor-1232	1.0	U	
53469-21-9	Aroclor-1242	1.0	U	
12672-29-6	Aroclor-1248	1.0	U	
11097-69-1	Aroclor-1254	1.0	U	
11096-82-5	Aroclor-1260	1.0	U	
8001-35-2	Toxaphene	5.0	U	

New York State Department of Environmental Conservation



Division of Environmental Remediation
Bureau of Construction Services
50 Wolf Road
Albany, New York 12233-7010

Phone No.: (518) 457-9280

Fax No.: (518) 457-7743

FACSIMILE TRANSMISSION

Date: 5/13/98	No. of Pages (Including Cover): 14
To: Pete Buechi	
Company: R9	
Fax Number: 716 851 7226	
From: Tom Vickerson	

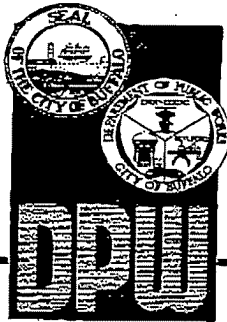
Message: Re: Bush Street

Letter from City (J. Giambra) to NYSDEC DER BPM 2 pg

DEC R9 Spills notes 9 pgs

City summary 2 pgs

ANTHONY M. MASIELLO
Mayor



Department of Public Works City of Buffalo, N. Y.

ROOM 502 — CITY HALL — BUFFALO, NEW YORK — 14202 — PHONE 851-5636

April 23, 1998

JOSEPH N. GIAMBRA
Commissioner

Director
Bureau of Program Management
Division of Environmental Remediation
New York State
Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

**RE: Application for Reimbursement
NYSDEC Spill Number 9706464
City of Buffalo/Erie County
Bush Street Contaminated Material - Remediation**

Dear Sir:

Enclosed are two (2) copies of an Application for Reimbursement for funds that have been expended by the City of Buffalo in connection with the above noted. The amount of reimbursement request is \$55,767.00, the City's actual out-of-pocket costs. The City is not requesting reimbursement for incurred City administrative costs.

The application materials include:

- Completed Application
- Correspondence between the NYSDEC, URS Greiner Consultants, Inc. (URSG), the City's Engineering Consultant, and Marcon Erectors, Inc. the identified Proposed Potential Party (PRP) identified under Spill No. 9507939.
- Daily Inspector's Reports
- Laboratory Reports
- Dispersal Documents
- Final Cost Summary

NY DEC SPILL REPORT FORM



DEC REGION# 9 (Buffalo) SPILL NUMBER 9507935
 SPILL NAME: MARCON ERECTORS DEC LEAD: FG
 CALLER'S NAME: _____ NOTIFIER'S NAME: _____
 CALLER'S AGENCY: _____ NOTIFIER'S AGENCY: _____
 CALLER'S PHONE: _____ NOTIFIER'S PHONE: _____ EXT. _____

SPILL DATE: 09/01/95 TIME: 12:00
 CALL RECEIVED DATE: 09/28/95 TIME: 09:30 RECEIVED BY CID #: _____

Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1) <u>UNKNOWN PETROLEUM</u>	<u>Pat-Haz-Other-Unk.</u>	<u>Unknown</u>	<u>Lbs</u>	<u>Unknown</u>
2) _____	<u>Pat-Haz-Other-Unk.</u>	_____	<u>Gal-Lbs</u>	_____
3) _____	<u>Pat-Haz-Other-Unk.</u>	_____	<u>Gal-Lbs</u>	_____
4) _____	<u>Pat-Haz-Other-Unk.</u>	_____	<u>Gal-Lbs</u>	_____

SPILL LOCATION

POTENTIAL SPILLER

PLACE: MARCON ERECTORS
 STREET: HOWELL STREET
 T/C/V: BUFFALO CO: ERIE
 CONTACT: _____
 PHONE: _____ EXT. _____

NAME: MARCON ERECTORS
 STREET: ONE HOWELL STREET
 CITY: BUFFALO
 STATE: NY ZIP: _____
 CONTACT: DOUGLAS GIAMBRONE
 PHONE: (716) 873-1051 EXT. _____

SPILL CAUSE

SPILL SOURCE

Human Error Tank Test Failure Tank Failure
 Traffic Accident Housekeeping Tank Overfill
 Equipment Failure Deliberate Other
 Vandalism Abandoned Drums Unknown

Gas Station Private Dwelling Non-Maj Facility
 Passenger Vehicle Vessel Comm/Inst Inst
 Comm. Vehicle Railroad Car Non-Comm/Inst
 Tank Truck Major Facility Unknown

RESOURCE AFFECTED

SPILL REPORTED BY

On Land Groundwater Air
 In Sewer Surface Water

Responsible Party Tank Tester Local Agency
 Affected Persons DEC Federal Gov't
 Police Department Citizen Other
 Fire Department Health Dept.

WATERBODY: _____

CALLER REMARKS: COMPLAINANT HIRER TO SCRAP TANKS. FOUND TANKS CUT OPEN (1 MARKED XYLENE: APPROX. 25,000 GAL.) AND LEAKING ALL OVER PROPERTY. REFUSED TO REMOVE.

PBS Number	Tank Number	Tank Size	Test Method	Leak Rate

PRIMARY CONTACT CALLED DATE: _____ TIME: _____ REACHED DATE: _____ TIME: _____ hrs.
 SECONDARY CONT. CALLED DATE: _____ TIME: _____ FAXED BY CID#: _____

PIN #	T & A	Cost Center	ISR to Central Office
Cleanup Ceased	Meets S'ids	NO Last Inspection	10/09/97 Penalty NO
RP-CUI	ENF4NIT	INVS-COM	CAP
UST Trust Eligible	NO	Site: A B <u>C</u> D E	Resp. Party 1 2 3 4 <u>5</u> 6 Reg Close Date 10/17/97

Created on 09/28/95 Last Updated on 03/24/98 Is Updated? NO

Date Printed: 05/11/98

DATA INPUT []

Spill Number: 9507939 Spill Name: MARCON ERECTORS

Printed on: 05/11/98

DEC REMARKS

1/24/96 DOUG GIAMBRONE FROM ONE HOWELL STREET SAID HE WILL HAVE MATERIAL ANALYSED AND WILL THEN SUBMIT A REMEDIATION PLAN, WILL CONTACT US WITH ALL INFORMATION

3/15/96 PAUL MATHIAS, ATTY FOR MR. GIAMBRONE CALLED TO SAY THAT THEY ARE PROCEEDING WITH GETTING BIDS FOR TANK CLOSURE AND CONTAMINATION REMOVAL. HE SAID THAT THE TANKS ARE STAGED ON CONCRETE. HE WILL KEEP US INFORMED OF HIS PROGRESS.

4/26/96 SENT A LTR TO D. GIAMBRONE REQUESTING AN UPDATE ON THE STATUS OF THE SITE WORK BY 5/15/96.

5/24/96 RECD LTR FROM ATTY FOR SITE. THEY HAVE BEEN IN TOUCH W/ RUSS SAVAGE OF NATURE'S WAY. MR. MATHIAS WILL CONTACT ME WHEN THEY DECIDE ON A REMEDIATION PLAN.

9/20/96 LTR TO D. GIAMBRONE REQUESTING REMEDIATION UPDATE BY 10/15/96.

10/18/96 PAUL MATHIAS, ATTY FOR SITE, CC'D ME ON A LTR TO RUSS SAVAGE REQUESTING A PLAN TO COMPLETE THE SITE WORK. NO DEADLINE GIVEN.

11/18/96 PAUL MATHIAS, ATTY FOR SITE, CC'D ME ON A LTR TO R. SAVAGE REQUESTING A PLAN TO COMPLETE THE SITE WORK.

11/22/96 D. GIAMBRONE CALLED TO SAY THAT HE WILL HAVE A CONTRACT W/ A COMPANY TO REMOVE THE AST'S BY THE BEGINNING OF JANUARY 1997.

2/5/97 LTR SENT TO D. GIAMBRONE REQUESTING ROE FOR NYSDEC TO DO WORK OR A SCHEDULE OF WORK FROM HIM. RESPONSE IS DUE BY 3/4/97.

2/21/97 FG SPOKE TO DAN REID WITH CHOPRA LEE (773-7625). HE SAID HE WILL BE SAMPLING ON SITE ON MONDAY, 2/24/97. I TOLD HIM THAT SAMPLING MUST BE WHATEVER IS NECESSARY FOR DISPOSAL. HE SAID THERE IS ANOTHER FIRM THAT WILL BE DOING THE SOIL DISPOSAL.

3/3/97 RECD LTR BACK, COMPANY WOULD NOT ACCEPT CERTIFIED LETTER. SENT LETTER FOR ROE OUT REGULAR MAIL. REQUESTING THEIR RESPONSE BY 3/31/97.

3/4/97 RECD LTR FROM D. GIAMBRONE STATING THE PROCEDURE FOR DISPOSAL OF CONTAMINATION ON HIS PROPERTY. ALL WORK IS TO BE COMPLETED WITHIN 180 DAYS. LTR SENT IN RESPONSE TO HIS APPROVING PROPOSAL & ASKING FOR ANALYTICAL, DISPOSAL RECPTS AND NOTIFICATION OF WORK DATES SO THAT DEC CAN INSPECT ONCE WORK IS COMPLETE TO CONFIRM CLEANUP.

4/8/97 LTR SENT REQUIRING A RESPONSE TO MY 3/5/97 LTR WHICH REQUIRES ADDITIONS TO MARCON'S ORIGINAL WORK PROPOSAL. RESPONSE IS DUE 5/7/97.

4/23/97 FG RNL SITE VISIT. NO WORK HAS BEEN DONE ON SITE. NO ONE WAS AT THE SITE. WE ATTEMPTED TO TALK TO MR. GIAMBRONE BUT NO ONE ANSWERED THE DOOR.

8/26/97 NO RESPONSE RECD. LTR SENT REQUESTING ROE FROM MR. GIAMBRONE. RESPONSE DUE 9/19/97.

Spill Number: 9507939 Spill Name: MARCON ERECTORS

Printed on: 05/11/98

DEC REMARKS (Continued)

9/4/97 DOUG GIAMBRONE, SITE OWNER CALLED AND SAID THAT HE HAS HIRED SAFETY KLEEN TO DO THE WORK ON SITE. HE HAS CALLED THEM SEVERAL TIMES AND DOES NOT HAVE A FIRM DATE FOR THE WORK. HE HAS BEEN DEALING WITH TERRY DIXON 926-8931

9/4/97 FG SPOKE TO TERRY DIXON WHO SAID WORK WILL BEGIN EARLY NEXT WEEK. HE PLANS ON REMOVING ALL SLUDGES AND SPILLAGE FROM SITE. HE WILL CALL ME WHEN THEY PLAN ON GOING OUT.

9/12/97 FG SITE VISIT. SAFETY KLEEN ON SITE CLEANING OUT TANKS. THEY INDICATED THAT THE WORK WILL CONTINUE UNTIL NEXT WEEK. THEY ARE ONLY CLEANING OUT THE TANKS. THEY WERE NOT HIRED TO CLEAN ANYTHING ELSE. THEY SAID IT IS VERY DIFFICULT GETTING THE HARDENED OLD PRODUCT OUT OF THE TANKS AND BOTTOM.

9/15/97 FG SITE INSPECTION. THE TWO TANKS HAVE BEEN CLEANED OUT. SAFETY KLEEN WILL COMPLETE THE CLEANOUT OF THE TANK BOTTOM ON WED 9/17/97.

9/16/97 TERRY DICKSON OF SAFETY KLEEN CALLED AND SAID HE DIDN'T YET GET AN EPA GENERATOR'S ID NUMBER AND NEEDS TO HAUL THE ROLLOFF BOXES FROM THE SITE TO WASTE MANAGEMENT FOR DISPOSAL. HE WAS WONDERING IF I COULD GIVE HIM A HAULER'S PERMIT OR SOME AUTHORIZATION TO HAUL THE WASTE WITHOUT THE GENERATOR'S NUMBER. I ASKED HIM WHY HE NEEDED A HAZ WASTE # AND HE SAID BECAUSE THE LOAD IS CONTAMINATED WITH PCB'S ABOVE 50PPM. I TOLD HIM I WAS NOT AWARE THAT THE MATERIAL WAS HAZARDOUS. I TOLD HIM THAT WE COULD NOT GIVE HIM AUTHORIZATION OR A HAULER'S PERMIT. HE WOULD HAVE TO WAIT UNTIL HE RECEIVED THE GENERATOR ID NUMBER. I REQUESTED THAT HE FAX OVER RESULTS. EACH TANK WAS SAMPLED AND ALL WERE APPROX 200 PPM. I TOLD HIM THAT I WOULD CONTACT THE OWNER REGARDING FURTHER REMEDIATION REQUIREMENTS. HE SAID HE WAS GOING TO CONTINUE WORK ON FRIDAY.

9/17/97 FG RNL SITE INSPECTION. NO ONE ON SITE. ROLLOFFS STAGED ON SITE. NO ANSWER WHEN WE KNOCKED ON THE DOOR.

9/19/97 FG SITE INSPECTION, ROLLOFFS WERE GONE. NO ONE WAS ON SITE. I LATER CALLED TERRY DIXON WITH SAFETY KLEEN WHO SAID THAT THE SITE IS FENCED AND SECURE. HE SAID THAT WORK WILL BEGIN AGAIN ON MONDAY. THEY DIDNT DO ANY MORE WORK TODAY. THE ROLLOFFS WERE SENT TO WASTE MANAGEMENT FOR DISPOSAL.

9/22/97 FG, TOM CORBETT (HAZ SUBST REG) SITE INSPECTION. TOM MCINERNEY WITH NATIONAL VACCUUM ON SITE. HE SAID THAT HIS COMPANY CONSOLIDATED THE MATERIAL IN THE ROLLOFFS USING SAWDUST. HE SAID HE WAS ORIGINALLY TOLD THAT THE CONTAMINATION WAS UNDER 5PPM PCB'S. HE SAID THAT CHEM WASTE HAS REJECTED THE TWO ROLLOFFS THAT WERE SENT THERE BECAUSE THE CONSOLIDATION MATERIAL WAS INAPPROPRIATE FOR DISPOSAL AND QUOTED AN INCINERATION PRICE OF \$11,000 PER ROLLOFF. MR. MCINERNEY'S COMPANY, NATIONAL VACCUUM, WAS VACCUING THE BOTTOMS FROM THE OPEN TANK INTO A ROLLOFF ON SITE AND IT WAS 1/4 FULL. WE TOLD HIM THAT HE CANNOT CONSOLIDATE MATERIAL ANY LONGER. MR. MCINERNEY SAID THE THE SLUDGE WHEN IT MIXES WITH WATER TURNS PURPLE/BLUE. IT WAS APPARENT THAT THE SLUDGE HAD SEEPED UNDER THE RETAINING WALL TO THE SOILS. IT WAS APPARENT BECAUSE THE BRICKS SURROUNDING THE RETAINING WALL HAD BEEN MOVED AND THE SOIL WAS STAINED. MR. MCINERNEY SAID THAT HE NOTICED A GOLF BALL & KIDS FOOTPRINTS IN THE SLUDGE AND SAID THAT KIDS HANG OUT IN THIS AREA.

Spill Number: 9507939 Spill Name: MARCON ERECTOR'S

Printed on: 05/11/98

DEC REMARKS (Continued)

9/22/97 FG SPOKE TO TERRY DIXON WITH SAFETY KLEEN. HE SAID THERE IS A BARBED WIRE FENCE IN THE BACK. WE TOLD HIM TO STOP WORK UNTIL A REMEDIATION PLAN IS SUBMITTED. HE SAID HE HAS TWO ROLLOFFS FILLED WITH THE SLUDGE FROM THE OPEN TANK. I TOLD HIM TO PUT COVERS ON THE ROLLOFFS.

9/22/97 FG CALLED DOUG GIAMBRONE AND LEFT A MESSAGE FOR HIM TO RETURN THE CALL.

9/23/97 BRENDA JOYCE WITH JAECKLE FLEISCHMANN CALLED. SHE SAID THEY WILL SUBMIT AN INVESTIGATION PLAN AND NOT A REMEDIATION PLAN. I TOLD HER THAT SHE MUST ADDRESS THE TWO REJECTED ROLLOFFS FROM CHEM WASTE AND THE TWO ROLLOFFS ON SITE. SHE SAID THAT IT WILL.

9/23/97 FG CALLED DAN REID WITH CHOPRA LEE. HE SAID HE WAS NEVER RETAINED BY MR. GIAMBRONE AND NEVER DID THE SAMPLING SO HE HAS NO ADDITIONAL DATA.

9/24/97 TOM CORBETT, HSR, SAID THAT TERRY DIXON CALLED & ASKED IF THE BOXES AT CHEM WASTE CAN BE TRANSFERRED TO OTHER BOXES. MR. CORBETT TOLD HIM THAT WHATEVER IS TO BE DONE MUST BE SUBMITTED IN WRITING IN A PROPOSAL TO THIS OFFICE.

9/24/97 FG CALLED MATT FORCUCCI WITH THE NYSDOH TO MAKE HIM AWARE OF THIS SITE. HE SAID HE WILL VISIT IT EITHER TODAY OR TOMORROW MORNING. 282-8815.

9/24/97 THE CITY OF BUFFALO WHILE DIGGING A WATER LINE ON BUSH ST WHICH IS EAST OF HOWELL ST UNCOVERED SOME CONTAMINATION WHICH THEY DISPOSED OF AND HAVE SUBMITTED A SOIL GAS SURVEY PROPOSAL. THE SPILL NUMBER IS 9706464. SPOKE TO MR. SCOTT MCCONE WITH URS WHO DID THE WORK FOR THE CITY 856-5636. HE SAID THAT THE CONTAMINATION IS COMING FROM THE DRAINS FROM THE CONCRETE RETAINING WALL. HE IS ALSO CONCERNED ABOUT SITE SAFETY MEASURES. HE SAID THAT THE CONTAMINATION ON BUSH ST IS ALL SUBSURFACE. THE CITY HAS TO CONTINUE INSTALLING THE WATER LINE AND TIME IS CRITICAL. TOLD HIM THAT HE MAY WISH HOLD OFF FOR A WHILE ON THE STUDY UNTIL MARCON HAS SUBMITTED THEIR PROPOSAL.

9/25/97 FG SITE VISIT. FOUND THAT THE RETAINING WALL BACKS RIGHT UP TO BUSH ST WHICH IS A PAPER ST IN THIS AREA. THE FENCE IS PUSHED IN AT ONE SECTION AND ACCESS TO THE SITE IS RELATIVELY EASY THERE. THE REST OF THE WALL HAS 4FT OF FENCE ON TOP OF IT AND BARBED WIRE ON TOP OF THAT.

9/25/97 FG SPOKE TO BRENDA JOYCE WITH JAECKLE FLEISHMANN. I TOLD HER OF THE SUBSURFACE CONTAMINATION AND THAT THEIR PROPOSAL WILL HAVE TO ADDRESS THIS NEW INFORMATION. I EXPLAINED THAT SITE ACCESS IS A CONCERN DUE TO THE BREAK IN THE FENCE AND THAT SHE SHOULD ADDRESS THAT ASAP. I TOLD HER THAT IF MARCON CANNOT AFFORD THE WORK ON SITE THAT SHE SHOULD INFORM THEM NYSDEC WILL DO THE WORK AND THEN REQUIRE COST RECOVERY. SHE SAID THAT THE CITY OF BUFFALO MAY OWN THE TANK AREA. SHE WILL GET BACK TO ME AS SOON AS SHE KNOWS MORE INFO. SHE IS HAVING A MEETING WITH MARCON THIS MORNING. MS. JOYCE'S ADDRESS IS: JAECKLE FLEISCHMANN ETC, FLEET BANK BUILDING, 12 FOUNTAIN PLAZA, BUFFALO, NY 14202.

9/25/97 FG SPOKE TO SCOTT MCCONE 856-5636 WHO WAS TO HAVE A MTG WITH THE CITY OF BUFFALO THIS MORNING. I TOLD HIM THAT THE RP IS TO ADDRESS SITE ACCESS. I ALSO TOLD HIM THAT THEY HAVE INDICATED THAT THE CITY MAY OWN A PORTION OF THE HOWELL ST PROPERTY. HE SAID THAT THE CITY DOES NOT OWN THE HOWELL ST PROPERTY.

Spill Number: 9507939 Spill Name: MARCON ERECTORS

Printed on: 05/11/98

DEC REMARKS (Continued)

BASED ON THE PROPERTY MAP HE HAS, WITH LOT BLOCK SECTION # 088-36-2-6, DOUGLAS GIAMBRONE, ONE HOWELL ST, BUFFALO NEW YORK OWNS THE ENTIRE PARCEL FROM HOWELL TO BUSH TO PARISH TO RAILROAD (WHICH IS OWNED BY NEW YORK STATE) TO SCAJAQUADA AREA. HE WILL PROVIDE A COPY OF THE TAX MAP TO THIS OFFICE.

5/25/97 MATT FORCUCCI VISITED THE SITE AND SAID THAT THE PUSHED IN FENCE SHOULD BE SECURED. HE SAID THAT IF THERE IS SURFACE CONTAMINATION THAT THE SCAJAQUADA PATH WILL BE AN ISSUE. HE WOULD LIKE TO REVIEW THE INVESTIGATION PROPOSAL ONCE IT IS SUBMITTED.

10/2/97 BRENDA JOYCE CALLED AND SAID SHE WILL SUBMIT A COST ESTIMATE ON WHAT NEEDS TO BE DONE. SHE WILL GIVE NYSDEC A STATEMENT OF WHETHER MARCON CAN AFFORD THE WORK OR NOT. SHE SAID THAT THE CITY OF BUFFALO WILL LOOK AT THE FENCE THAT IS DOWN AND DECIDE WHETHER OR NOT THEY WILL FIX IT.

10/3/97 JAECKLE FLEISCHMANN, BRENDA JOYCE, SUBMITTED A LETTER ALONG WITH ANALYTICAL DATA. THE LETTER INDICATED THAT MARCON WILL COMPLETE THE DISPOSAL OF THE MATERIAL IN THE ROLLOFFS AT CHEM WASTE MGT AND AT ONE HOWELL ST ALONG WITH THE MATERIAL LEFT IN THE TANK BOTTOM. THE ASSESSMENT WILL BE COMPLETED THE WEEK OF OCTOBER 6, 1997. DATA FROM JANUARY 1996 COLLECTED BY NFCS WAS INCLUDED IN THE PACKAGE. THIS DATA PACKAGE HAD NOT BEEN PREVIOUSLY SUBMITTED AND SHOWED TETRACHLOROETHENE AT 87PPM.

10/6/97 FG SPOKE TO DAWN HAMILTON WITH WNED NEWS, 845-7040. I TOLD HER THAT MARCON WILL BE ASSESSING THE SITE THIS WEEK. I TOLD HER THAT WE DID NOT BELIEVE THAT SCAJAQUADA CREEK HAS BEEN IMPACTED BUT FURTHER STUDY IS NEEDED. I SAID A REPORT MAY BE AVAILABLE BY THE END OF THE MONTH.

10/6/97 FG SPOKE TO BRENDA JOYCE. I TOLD HER THAT HER SUBMISSION WAS NOT WHAT WE WERE EXPECTING. THERE IS NO WORK PLAN AND NO SPECIFICS ON WHAT WILL BE DONE TO ASSESS SURFACE AND SUBSURFACE CONTAMINATION. THERE IS NO SPECIFICS ON DISPOSAL OF THE WASTE ALREADY REMOVED. SHE SAID SHE WILL HAVE PAUL KELLER FROM ARRIC CORP CALL. ARRIC HAS BEEN HIRED BY MARCON TO COMPLETE THE WORK ON SITE. MS. JOYCE REQUESTED A COPY OF THE FACT SHEET THE DEC SENT OUT (FAX #856-0432). SHE IS EXPECTING THAT THE CITY OF BUFFALO WILL FIX THE FENCE ON TOP OF THE CONCRETE RETAINING WALL BECAUSE SHE CLAIMS THAT THE CITY CONTRACTOR BROKE IT.

10/6/97 FG SPOKE TO PAUL KELLER WITH ARRIC CORP, 681-3535. HE SAID THAT CHEM WASTE MGT WILL BE ON SITE TO SAMPLE THE CONTAINERS FOR DISPOSAL. THEY HAVE ALREADY PROFILED THE MATERIAL STAGED AT CHEM WASTE MGT. DISPOSAL WILL PROBABLY BE AT AN INCINERATOR IN TEXAS. THEY WILL ALSO CHARACTERIZE WASTE LEFT IN THE OPEN TANK BOTTOM. APPROXIMATELY 1/3 OF THE WASTE REMAINS. MR. KELLER WILL MEET CHOPRA LEE ON SITE ON WED TO ASSESS THE SITE FOR FURTHER SURFACE AND SUBSURFACE SAMPLING REQUIREMENTS. MR. KELLER SAID HE WILL HAVE A PLAN INTO THIS OFFICE BY THE END OF THIS WEEK.

10/7/97 SCOTT MCCONE WITH URS CALLED AND ASKED IF THE NYSDEC WOULD APPROVE THE PROPOSAL SUBMITTED FOR FURTHER STUDY AROUND THE WATER LINE SO THAT THEY CAN INSTALL THE WATER LINE. THEY EXPECTED MARCON TO GET BACK TO THEM WITH A PROPOSAL FOR FURTHER STUDY BUT HAVE NOT RECEIVED ONE YET. I TOLD MR. MCCONE THAT EITHER NYSDEC OR MARCON WILL DO THE FURTHER WORK BECAUSE OF THE POSSIBILITY OF A THIRD PARTY CLAIM TO THE OIL SPILL FUND. I TOLD HIM I WOULD GET BACK WITH AN ANSWER.

Spill Number: 9507939 Spill Name: MARCON ERECTORS

Printed on: 05/11/98

DEC REMARKS (Continued)

10/9/97 FG SPOKE TO BRENDA JOYCE 843-3855. SHE REQUESTED THAT NYSDEC SEND AN INFORMATION REQUEST TO ASHLAND.

10/9/97 PETER BUECHI SPOKE TO SCOTT MCCONE AND TOLD HIM THAT EITHER MARCON OR NYSDEC WILL COMPLETE THE FURTHER INVESTIGATION AT THE SITE. IF THE CITY NEEDS TO PROCEED WITH THE WATER LINE BEFORE DEC OR MARCON CAN COMPLETE THE WORK THEN THEY SHOULD COMPLETE WHAT THEY NEED TO DO. WE ARE EXPECTING ASSESSMENT WORK TO BEGIN NEXT WEEK AND A REPORT WON'T BE AVAILABLE UNTIL SEVERAL WEEKS AFTER THAT. MR. MCCONE REQUESTED THAT NYSDEC SEND A LTR STATING THAT THE CITY HAS NO FURTHER OBLIGATION TO COMPLETE THE WORK.

10/9/97 FG SPOKE TO SCOTT MCCONE WHO SAID THAT THE CITY WILL COMPLETE THE ENCAPSULATION TO COMPLETE THE WATER LINE BY THE END OF OCTOBER. HE SAID THAT THE WORKERS WILL BE IN LEVEL C. I ASKED THAT HE CONTACT ME BEFORE HE BEGINS WORK SO DEC CAN BE PRESENT.

10/9/97 BRENDA GRIFFIN, EHS OFFICER, SAFETY KLEEN, CALLED (315)455-8638. SHE ASKED ABOUT THE SITE AND I TOLD HER EVERYTHING THAT HAS HAPPENED. I TOLD HER THE FIRST INFORMATION WE HAD THAT THE MATERIAL WAS HAZARDOUS WAS WHEN TERRY BENDER CALLED ON SEPTEMBER 16, 1997. SHE ASKED FOR A COPY OF THE PROPOSAL FOR FURTHER WORK SUBMITTED BY JAECKLE FLEISCHMANN.

10/9/97 FG, TOM CORBETT(DHSR-DEC) COMPLETED A SITE VISIT. SPOKE TO THE SECRETARY. SHE SAID THAT DOUG GIAMBRONE WON'T BE IN FOR THE WHOLE DAY. SHE SAID TO GO AHEAD AND COLLECT SAMPLES. AT 11:05 AM, TOM CORBETT COLLECTED SAMPLES IN FOUR 1000ML GLASS CONTAINERS FROM THE REMAINING TANK BOTTOMS IN THE OPEN TANK BOTTOM BEHIND THE RETAINING WALL. THE MATERIAL WAS SOLID, BLACK AND OILY. WE INSPECTED SCAJAQUADA CREEK AND FOUND NO APPARENT IMPACTS FROM THE SITE. NO OUTLET PIPE FOUND IN THAT AREA. THE FENCE AT THE SOUTHEAST CORNER OF THE RETAINING WALL IS STILL DOWN. TO GET INTO THE SITE, SOMEONE WOULD HAVE TO CLIMB UP THE CONCRETE RETAINING WALL.

10/10/97 FG SPOKE TO THOMAS LOTEMPIO, 851-5636. HE SAID THAT HIS CONSULTANT, URS WILL REPAIR FENCE. THEY HAVE NOT SAID THAT THEY DID NOT KNOCK FENCE DOWN. HE REQUESTED THAT I CALL HIS CONTACT FOR THIS PROJECT KEN MAY 873-9381.

10/10/97 FG SPOKE TO SCOTT MCCONE WITH URS. HE SAID THAT THEY WILL FIX FENCE REGARDLESS OF WHO BROKE IT. I ASKED IF HIS COMPANY BROKE THE FENCE AND HE DID NOT KNOW. I TOLD HIM TO GET BACK TO ME ABOUT WHO BROKE THE FENCE.

10/14/97 BRENDA JOYCE SAID THAT MPJ CONTRACTORS (TIM KANKAR) WHO IS THE SUB FOR URS SAID THAT THEY WERE TO HAVE FIXED FENCE BY LAST FRIDAY.

10/14/97 SCOTT MCCONE WITH URS SAID THAT THE DAMAGE LOOKS FRESH. THEY WILL FIX THE FENCE.

10/14/97 KEN MAY WITH URS SAID THAT HE IS NOT SURE OF WHO WILL DO WORK IF ANYONE WILL. THERE WILL BE A MTG TOMORROW TO DISCUSS WHO CAUSED THE DAMAGE, WEGMANS, OR MPJ OR URS.

10/15/97 RECD INVESTIGATION PLAN FOR SITE SUBMITTED BY MARCON. ADDRESSES ONLY SURFACE SAMPLING AND ANALYSIS ONLY FOR PCB'S.

NYSDEC SPILL REPORT FORM



DEC REGION# 9 (Buffalo) SPILL NUMBER 9706464
 SPILL NAME: CITY OF BUFFALO WATERLINE DEC LEAD: SAC
 CALLER'S NAME: SCOTT MCCONE NOTIFIER'S NAME: _____
 CALLER'S AGENCY: URS GREINER NOTIFIER'S AGENCY: _____
 CALLER'S PHONE: (716) 856-5636 EXT. _____ NOTIFIER'S PHONE: _____ EXT. _____

SPILL DATE: 08/01/97 TIME: 12:00
 CALL RECEIVED DATE: 08/28/97 TIME: 08:45 RECEIVED BY CID #: 999

Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1) UNKNOWN MATERIAL	Pat-Haz-Other-Unk.	<input type="text"/>	Unknown - Lbs	Unknown
2)	Pat-Haz-Other-Unk.		Gal - Lbs	
3)	Pat-Haz-Other-Unk.		Gal - Lbs	
4)	Pat-Haz-Other-Unk.		Gal - Lbs	

<p>SPILL LOCATION</p> <p>PLACE: <u>CITY OF BUFFALO WATERLINE</u></p> <p>STREET: <u>AMHERST & BUSH STREETS</u></p> <p>T/C/V: <u>BUFFALO</u> CO: <u>ERIE</u></p> <p>CONTACT: _____</p> <p>PHONE: _____ EXT. _____</p>	<p>POTENTIAL SPILLER</p> <p>NAME: <u>CITY OF BUFFALO</u></p> <p>STREET: <u>CITY HALL, RM 502</u></p> <p>CITY: <u>BUFFALO</u></p> <p>STATE: <u>NY</u> ZIP: <u>14202</u></p> <p>CONTACT: <u>THOMAS C. LOTEMPIO</u></p> <p>PHONE: _____ EXT. _____</p>
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<p>SPILL CAUSE</p> <p>Human Error <input type="checkbox"/> Tank Test Failure <input type="checkbox"/> Tank Failure <input type="checkbox"/> Traffic Accident <input type="checkbox"/> Housekeeping <input type="checkbox"/> Tank Overfill <input type="checkbox"/> Equipment Failure <input type="checkbox"/> Deliberate <input type="checkbox"/> Other <input checked="" type="checkbox"/> Vandalism <input type="checkbox"/> Abandoned Drums <input type="checkbox"/> Unknown <input type="checkbox"/></p>	<p>SPILL SOURCE</p> <p>Gas Station <input type="checkbox"/> Private Dwelling <input type="checkbox"/> Non-Maj Facility <input type="checkbox"/> Passenger Vehicle <input type="checkbox"/> Vessel <input type="checkbox"/> Comm/Indust <input type="checkbox"/> Comm. Vehicle <input type="checkbox"/> Railroad Car <input type="checkbox"/> Non-Comm/Instit <input checked="" type="checkbox"/> Tank Truck <input type="checkbox"/> Major Facility <input type="checkbox"/> Unknown <input type="checkbox"/></p>
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<p>RESOURCE AFFECTED</p> <p><input checked="" type="checkbox"/> On Land <input type="checkbox"/> Groundwater <input type="checkbox"/> Air <input type="checkbox"/> <input type="checkbox"/> In Sewer <input type="checkbox"/> Surface Water <input type="checkbox"/></p> <p>WATERBODY: _____</p>	<p>SPILL REPORTED BY</p> <p>Responsible Party <input type="checkbox"/> Tank Tester <input type="checkbox"/> Local Agency <input type="checkbox"/> Affected Persons <input type="checkbox"/> DEC <input type="checkbox"/> Federal Gov't <input type="checkbox"/> Police Department <input type="checkbox"/> Citizen <input type="checkbox"/> Other <input checked="" type="checkbox"/> Fire Department <input type="checkbox"/> Health Dept. <input type="checkbox"/></p>
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CALLER REMARKS: DURING THE INSTALLATION OF WATERLINE, CONTAMINATED FILL WAS FOUND WITH UNKNOWN SOLVENT.

PBS Number	Tank Number	Tank Size	Test Method	Leak Rate

PRIMARY CONTACT CALLED DATE: _____ TIME: _____ REACHED DATE: _____ TIME: _____ hrs.
 SECONDARY CONT. CALLED DATE: _____ TIME: _____ REACHED BY CID#: _____

PIN #	T & A	Cost Center	ISR to Central Office			
Cleanup Ceased	Meets Stds	YES Last Inspection	08/29/97	Penalty	NO	
RP-CUI	ENF-INT	INVS-COM	CAP			
UST Trust Eligible	NO	Sit: A B <input checked="" type="checkbox"/> D E	Resp. Party 1 2 3 4 <input checked="" type="checkbox"/> 5 6	Reg Close Date	09/25/97	

Created on 08/28/97 Last Updated on 11/12/97 Is Updated?
 Date Printed: 05/11/98

DATA INPUT [1]

Spill Number: 9706464 Spill Name: CITY OF BUFFALO WATERLINE Printed on: 05/11/98

DEC REMARKS

8/28/97:SAC INSPECT SITE, FOUND SOIL STAGED ON AND COVERED WITH PLASTIC, AREA IN PAST END OF BUSH ST. NEAR NEW WEGMANS AND HAD BEEN BACKFILLED FOR TRIP AND FALL SAFETY REASONS, FOUND 2 RIVETED TANKS ON NEIGHBORING PROPERTY ABOUT 8 FT. ABOVE AREA, GERRY PIETRASZEK/HWR NOTIFIED BECAUSE HE HAS WEGMANS PROJECT. SAC TELECON SCOTT MCCONE AND ED STACHURA, URS-GREINER WHO ARE CONSULTANTS FOR CITY OF BUFFALO, CONTAMINATION WAS FOUND IN ABOUT 15 LINEAR FT. STRETCH, THE PID METER REGISTERED 50 ppm, THEY RAN OUT OF THE CONTAMINATION LENGTHWISE BUT DID NOT WIDTHWISE OR DEPTHWISE, SOIL WILL BE PUT IN BOXES AND COVERED, SAMPLING WILL OCCUR FOR HAZ/NON-HAZ DETERMINATION, AND ALSO 8260/8270 ANALYSIS TO ATTEMPT TO IDENTIFY CONTAMINANT, ONCE DISPOSAL HAS BEEN COMPLETED, URS WILL DO SOIL GAS SURVEY TO DETERMINE EXTENT OF CONTAMINATION, SCOTT MCCONE INDICATED BASED ON THE ODORS OF THE CONTAMINANT HE BELIEVED IT WAS STODDARD SOLVENT, SINCE STODDARD SOLVENT WOULD EAT THROUGH THE COAL TAR COATING OF THE WATERPIPE AND POSSIBLY COMPROMISE THE INTEGRITY OF THE PIPE, IT WOULD HAVE TO BE DUG UP AND SOIL REMOVED FROM AROUND PIPE, ONCE EXTENT OF CONTAMINATION WAS DETERMINED THEN SOIL WOULD BE REMOVED AND CONFIRMATORY SAMPLES WOULD BE TAKEN, WATERLINE HAS NOT BEEN PUT INTO USE AND WILL NOT BE PUT INTO USE UNTIL MATERIAL HAS BEEN REMOVED.

8/29/97:DRAFTED LETTER W/REQUIREMENTS, REQUESTED WORKPLAN BY 9/19/97.

9/2/97:SAC TELECON CAMERON O'CONNOR NOTIFYING HIM OF SPILL.

9/22/97:DRAFTED NO RESPONSE LETTER, RESPONSE REQUESTED BY 10/10/97.

9/24/97:DID NOT SEND NO RESPONSE LETTER, MET W/SCOTT MCCONE-URS WHO PROVIDED SAMPLE RESULTS, DISPOSAL RECEIPTS AND WORKPLAN, AFTER SPEAKING W/FG, SITE IS RIGHT NEXT TO PROPERTY FOR SPILL NUMBER 9507939 AND MAY BE ASSOCIATED WITH IT, WILL BE FOLLOWING UP W/FG.

9/25/97:SAC SPOKE W/FG, WILL CLOSE OUT THIS SPILL, ALL FURTHER WORK WILL BE DONE UNDER 9507939, ALL DOCUMENTATION HAS BEEN ATTACHED TO THAT SPILL.

DEC REMARKS (Continued)

10/15/97 BRENDA JOYCE CALLED AND LEFT A MESSAGE THAT SAID THAT MARCON WILL PUT UP THE FENCE.

10/16/97 KEN MAY WITH URS SAID THAT HE WENT OUT TO INVESTIGATE THE SITE AND FOUND THAT MPJ OR WEGMANS DID NOT DO THE DAMAGE. HE SAID THAT URS CONTACT WITH US WILL BE SCOTT MCCONE.

10/16/97 SCOTT MCCONE WITH URS SAID THAT NEITHER MPJ OR WEGMANS WILL ACCEPT RESPONSIBILITY FOR CAUSING DAMAGE AND WILL NOT FIX THE FENCE. URS SAID THAT THEIR EQUIPMENT NEVER WOULD HAVE REACHED THAT HIGH. MPJ OR WEGMANS WILL NOT EVEN PUT UP A TEMPORARY FENCE. MR. MCCONE SAID THAT HE HAS SEVERAL COMMENTS ON THE INVESTIGATION PLAN THAT WAS SUBMITTED.

10/16/97 BRENDA JOYCE SAID THAT THE FENCE HAS BEEN REPAIRED.

10/17/97 THE INACTIVE HAZARDOUS WASTE PROGRAM IS TAKING OVER THE SITE. NO FURTHER ACTION BY THE SPILLS GROUP IS REQUIRED. THE SITE CAN BE CLOSED.

3/18/98 FG, MAUREEN BRADY, JIM STRICKLAND, TOM CORBETT, MARTY DOSTER, MAURICE MOORE MET TO DISCUSS THIS SITE.

I EXPLAINED THAT THE MATERIAL IS A HAZARDOUS WASTE AND NOT A PETROLEUM EXCLUSIVELY. WE AGREED THAT THE ORIGINAL INTENT OF THE TANKS WAS TO HOLD PETROLEUM SO THE PBS LAWS WOULD APPLY. LEGAL WILL ISSUE A CONSENT ORDER TO ADDRESS SPILLS AND HAZARDOUS SUBSTANCE ISSUES. HAZ WASTE REMEDIATION WILL CONTINUE ALONG ITS OWN PATH. HAZ WASTE REM WILL BE COMPLETING SURFACE SOIL SAMPLING IN THE NEAR FUTURE TO DETERMINE OFF SITE IMPACTS. HAZ WASTE REM INDICATED THAT MARCON SUBMITTED A LETTER WHICH INDICATES THEY DO NOT HAVE THE FINANCIAL MEANS TO COMPLETE ALL THE WORK ON SITE.

- AUGUST 27, 1997 - City of Buffalo Department of Public Works encountered contaminated soil.
- AUGUST 28, 1997 - Soil reported to New York State Department of Environmental Conservation.
- SEPTEMBER 2, 1997 - New York State Department of Environmental Conservation ordered (A) Containcrize soil (B) Analyze soil (C) Dispose of soil in an approved manner and (D) prepare work plan.
- SEPTEMBER 12, 1997 - Analyzed soil reports from Waste Stream received.
- SEPTEMBER 23, 1997 - Department of Public Works provides New York State Department of Environmental Conservation with work plan.
- SEPTEMBER 24, 1997 - New York State Department of Environmental Conservation doing investigation at MARCON Erectors, Inc. (MarCon) Proposed Responsible Party.
- SEPTEMBER 24, 1997 - URSG (agent for Department of Public Works) received test results from NYSDEC (Re: One Howell Street/Proposed Responsible Party/Safety Kleen)
- SEPTEMBER 30, 1997 - MARCON requested by Department of Public Works to undertake an extent of contamination investigation.
- OCTOBER 16, 1997 - URS Greiner, Inc. reviews Work Plan for Delineation Investigation of PCB Contaminated Soils provided by Jaeckle, Fleichmann & Mugel CCP representing MARCON.
- OCTOBER 24, 1997 - MJP Contracting (existing site contractor) to develop cost to perform work based upon Waterline Pipe Encapsulation Details and specifications.

- NOVEMBER 12, 1997 - Peter Burke (representing MARCON) stated client could not afford to pay for quote.
- NOVEMBER 19-21, 1997 Negotiations for work to be performed.
- NOVEMBER 21, 1997 - MPJ approved by City of Buffalo to perform encapsulation
- NOVEMBER 25 - to
DECEMBER 15, 1997 - MPJ Field Work completed.
- FEBRUARY 23, 1998 - Department requests costs associated with the removal of contaminated soil from Peter Burke Esq. Representing MARCON
- MARCH 3, 1998 - Peter Burke (representing MARCON) stated inability of client to pay for costs.

f
1 Howell St



RECEIVED

May 11, 1998

MAY 13 1998

NYSDEC - REG. 9
FOIL
 REL UNREL

Mr. D. Szymanski
NYS DEC
270 Michigan Blvd.
Buffalo, NY

****PRELIMINARY RESULTS****

PROJECT: 1 Howell St.
CASE #: SH998
SDG #: 0402
SAMPLE #'S: B081 M1 - B081 M9, B081 AM - B081 EM, OUTFALL B081W1
Submission #: 9804000094

Dear Mr. Szymanski:

Enclosed are preliminary results of the analyses requested. Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

A handwritten signature in black ink, appearing to read "Michael K. Perry", with a long, sweeping underline that extends to the right.

Michael Perry
Laboratory Director

Enc.

cc: Mr. John M. Ryan
NYS DEC
50 Wolfe Road
Albany, NY 12233-3502



CASE NARRATIVE

COMPANY: NYS DEC
Region 8, Avon, NY
SUBMISSION #: 9804000094
SDG#: 0402
Case #: RH998

NYS DEC soil and water samples were collected on 4/02/98 and received at CAS on 4/03/98 in good condition at a cooler temperature of 5.0 °C. See CAS CLP Batching sheets for a cross reference between Client ID and CAS Job # and analyses requested.

PESTICIDE/PCB ANALYSIS

Fourteen soil samples were analyzed for TCL PCBs and One water sample was analyzed for TCL Pesticides and PCBs by NYSDEC Method 95-3 ASP protocol. The analysis was performed on one instrument with one injection splitting into a dual column, dual electron capture detector system. The analysis was conducted concurrently on DB-1701 and DB-17 capillary columns.

The initial and continuing calibration criteria were met for all analytes.

Samples B081 M2, B081 M3, B081 M4, and B081 M5 were analyzed at dilutions to bring target analytes within the calibration range of the method.

All surrogate compounds were within QC limits for recovery.

Matrix Spike/Matrix Spike Duplicate recoveries for sample B081 M1 and Blank Spike recoveries were all acceptable. The % RPD for PCB 1260 was outside of QC limits.

No other problems occurred during this analysis.

SEMIVOLATILE ORGANICS

One water sample was analyzed for TCL Semivolatiles by NYSDEC ASP method 95-2.

All DFTPP tuning criteria were within acceptance limits.

The initial and continuing calibration criteria were met for all analytes.

The internal standard areas were all within QC limits.

All the surrogate standard recoveries were within QC limits on all samples.

The Blank Spike/Blank Spike Duplicate recoveries and % RPD were all within QC limits

Library Searches against the NBS/EPA library were conducted on all samples, reanalyzes, and blanks. The 20 largest peaks within 10 % of the nearest Internal Standard were searched. A summary of detected peaks is included following the Target data. Any analyte detected was quantitated based on the closest internal standard and has been reported flagged with a "J" as estimated.

No other analytical or QC problems were encountered.

INORGANIC ANALYSIS

One soil sample was analyzed for TAL Metals and Total Cyanide using SW-846 methodology and reported using NYSDEC 1995 ASP protocol. Mercury was analyzed by cold vapor methodology and all other metals were analyzed by ICP.

The Blank Spike recoveries were all within NYSDEC ASP QC limits.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael K. Perry
Laboratory Manager

Date

ORGANIC QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- X - As specified in Case Narrative.



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|--|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34- |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input checked="" type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <i>Note: #32: PCBs only; #33 all metals (23); No MS/MSD;</i> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63 Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

56. RS-01 57. RS-02 58. Other _____

COLLECTED BY: *D. Szymanski / M. Morse - NYSDCL* TELEPHONE NUMBER: *(916) 851-7270* REGION NO.: *9*

CONTRACT LABORATORY: *COLUMBIA* COUNTY: *ERIE* SAMPLING DATE: *04/02/98* MILITARY TIME: *1210 hrs*

SAMPLE MATRIX: Air Soil/Sediment Groundwater Surface Water Wastewater Other _____

CASE NO. <i>RH9980409</i>	SDG NO. <i>B081M9</i>	SAMPLE NO. <i>B081M9</i>	CHECK FOR MS/MD <input type="checkbox"/> This sample	TYPE OF SAMPLE <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Term _____ hours
---------------------------	-----------------------	--------------------------	---	---

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: _____

Report via Category B, unless checked <input type="checkbox"/>
Check if field duplicate <input type="checkbox"/> Outfall Number _____
Check if sampling is part of inspection <input type="checkbox"/>
FLOW: _____ GPD _____ MGD _____
SPDES NUMBER/REGISTRY NUMBER _____

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|--|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34 |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <i>NOTE: PCBs only; No MS/MSD; Composite @ 20g subs.</i> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63 Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

- 56. RS-01
- 57. RS-02
- 58. Other _____

COLLECTED BY: <i>D. Szymanski / M. Moore - NYDEC</i>	TELEPHONE NUMBER: <i>(716) 851-7220</i>	REGION NO.: <i>9</i>
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CONTRACT LABORATORY: <i>COLUMBIA</i>	COUNTY: <i>ERIE</i>	SAMPLING DATE: <i>04-02-98</i>	MILITARY TIME: <i>1220 hrs</i>
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SAMPLE MATRIX:

Air Soil/Sediment Groundwater Surface Water Wastewater Other _____

CASE NO. <i>R1199804021</i>	SDG NO. <i>B481A</i>	SAMPLE NO. <i>B481A</i>	CHECK FOR MS/MD <input type="checkbox"/> This sample	TYPE OF SAMPLE <input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Term _____ hours
--------------------------------	-------------------------	----------------------------	---	---

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: _____

Report via Category B, unless checked: <input type="checkbox"/>
Check if field duplicate <input type="checkbox"/> Outfall Number _____
Check if sampling is part of inspection <input type="checkbox"/>
FLOW: _____ GPD _____ MGD
SPDES NUMBER/REGISTRY NUMBER



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- 2. 13PP Metals
- 3. Volatiles—(USEPA 624 GC/MS)
- 6. Pesticides/PCBs (USEPA 608-GC)
- 4. Acids Base/Neutrals (USEPA 624 GC/MS)
- 5. Cyanide
- 9. BOD
- 7. Halogenated Volatiles (USEPA 601 GC)
- 8. Aromatic Volatiles USEPA 602 GC
- 12. TSS
- 10. pH
- 11. COD
- 15. Ammonia
- 13. Settleable Solids
- 14. TKN
- 18. Reactive Phosphorus
- 16. Nitrate/Nitrite
- 17. Total Phosphorus
- 21. Total Phenols
- 19. Oil/Grease
- 20. TOC
- 60. PCBs congener method (ASP 91-11)
- 22. Other _____
- 59. PCBs at 0.065 ug/l
- 64. Total Solids
- 62. CBOD
- 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- 23 (ALL)—Water—Includes 24-28
- 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
- 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
- 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
- 27 Metals—23 in Water
- 28 Cyanide—Water
- 66 Dioxin-Water (ASP #91-7)
- 35 Other NOTE: PCBs only; No MS/MSD / composite @ 2 mg Pass
- 29. (ALL)—Soil/Sediments—Includes 30-34
- 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
- 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
- 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
- 33. Metals—23 in Soil/Sediments)
- 34. Cyanide—Soil/Sediments)
- 67. Dioxin-Soil/Sediments (ASP #91-7)

HAZARDOUS WASTES/RCRA ANALYSIS SW 846

- 36. EP Toxicity
- 37. EP Toxicity (Metals Only)
- 38. Ignitability
- 39. Corrosivity
- 40. VOA—(USEPA 8260 GC/MS)
- 41. BNA—(USEPA 8270 GC/MS)
- 42. Pesticides/PCBs (USEPA 8081)
- 43. TCLP
- 44. TCLP (Metals Only)
- 45. Reactivity
- 46. Dioxin (USEPA 8280)
- 47. Appendix IX
- 48. Other _____
- 63 Percent Solids
- 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- 56. RS-01
- 57. RS-02
- 58. Other _____

COLLECTED BY: <i>D. Szymanski / M. Masro - NYSDEC</i>	TELEPHONE NUMBER: <i>(716) 851-7224</i>	REGION NO.: <i>9</i>
CONTRACT LABORATORY: <i>COLUMBIA</i>	COUNTY: <i>ERIE</i>	SAMPLING DATE: <i>04-02-98</i>
		MILITARY TIME: <i>1225 hrs.</i>

SAMPLE MATRIX:

- Air
- Soil/Sediment
- Groundwater
- Surface Water
- Wastewater
- Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
<i>RA99804102</i>	<i>B0181BM</i>		<input type="checkbox"/> This sample	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Term _____ hours

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked <input type="checkbox"/>
Check if field duplicate <input type="checkbox"/> Outfall Number _____
Check if sampling is part of inspection <input type="checkbox"/>
FLOW: _____ GPD _____ MGD
SPDES NUMBER/REGISTRY NUMBER

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- 2. 13PP Metals, 3. Volatiles, 4. Acids Base/Neutrals, 5. Cyanide, 6. Pesticides/PCBs, 7. Halogenated Volatiles, 8. Aromatic Volatiles, 9. BOD, 10. pH, 11. COD, 12. TSS, 13. Settleable Solids, 14. TKN, 15. Ammonia, 16. Nitrate/Nitrite, 17. Total Phosphorus, 18. Reactive Phosphorus, 19. Oil/Grease, 20. TOC, 21. Total Phenols, 22. Other, 59. PCBs at 0.065 ug/l, 60. PCBs congener method, 62. CBOD, 64. Total Solids, 65. Volatiles

CONTRACT LABORATORY PROTOCOLS

- 23 (ALL)—Water, 24 Base/Neutral/Acid, 25 Volatile Organic Analysis, 26 Pesticides/PCBs, 27 Metals, 28 Cyanide, 29 (ALL)—Soil/Sediments, 30 (B/N/A)—Soil/Sediments, 31. VOA—Soil/Sediments, 32. Pesticides/PCBs—Soil/Sediments, 33. Metals—23 in Soil/Sediments, 34. Cyanide—Soil/Sediments, 66 Dioxin-Water, 67. Dioxin-Soil/Sediments, 35 Other

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- 36. EP Toxicity, 37. EP Toxicity (Metals Only), 38. Ignitability, 39. Corrosivity, 40. VOA, 41. BNA, 42. Pesticides/PCBs, 43. TCLP, 44. TCLP (Metals Only), 45. Reactivity, 46. Dioxin, 47. Appendix IX, 48. Other, 63 Percent Solids, 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- 56. RS-01, 57. RS-02, 58. Other

COLLECTED BY:

TELEPHONE NUMBER:

REGION NO.:

CONTRACT LABORATORY:

COUNTY:

SAMPLING DATE:

MILITARY TIME:

SAMPLE MATRIX:

- Air, Soil/Sediment, Groundwater, Surface Water, Wastewater, Other

CASE NO.

SDG NO.

SAMPLE NO.

CHECK FOR MS/MD

TYPE OF SAMPLE

- This sample, Grab, Composite, Term hours

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category 8, unless checked

Check if field duplicate, Outfall Number

Check if sampling is part of inspection

FLOW: GPD, MGD

SPDES NUMBER/REGISTRY NUMBER

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- 2. 13PP Metals, 3. Volatiles, 4. Acids Base/Neutrals, 5. Cyanide, 6. Pesticides/PCBs, 7. Halogenated Volatiles, 8. Aromatic Volatiles, 9. BOD, 10. pH, 11. COD, 12. TSS, 13. Settleable Solids, 14. TKN, 15. Ammonia, 16. Nitrate/Nitrite, 17. Total Phosphorus, 18. Reactive Phosphorus, 19. Oil/Grease, 20. TOC, 21. Total Phenols, 22. Other, 59. PCBs at 0.065 ug/l, 60. PCBs congener method, 62. CBOD, 64. Total Solids, 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- 23 (ALL)—Water—Includes 24-28, 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2), 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1), 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3), 27 Metals—23 in Water, 28 Cyanide—Water, 29. (ALL)—Soil/Sediments—Includes 30-34, 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2), 31. VOA—Soil/Sediments—GC/MS (ASP #95-1), 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3), 33. Metals—23 in Soil/Sediments, 34. Cyanide—Soil/Sediments, 66 Dioxin-Water (ASP #91-7), 67. Dioxin-Soil/Sediments (ASP #91-7)

NOTE: PCBs only - No MS/MSD - Composite @ 2 mg SVs

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- 36. EP Toxicity, 37. EP Toxicity (Metals Only), 38. Ignitability, 39. Corrosivity, 40. VOA—(USEPA 8260 GC/MS), 41. BNA—(USEPA 8270 GC/MS), 42. Pesticides/PCBs (USEPA 8081), 43. TCLP, 44. TCLP (Metals Only), 45. Reactivity, 46. Dioxin (USEPA 8280), 47. Appendix IX, 48. Other, 63. Percent Solids, 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- 56. RS-01, 57. RS-02, 58. Other

COLLECTED BY: D. Symanski / M. Moore - NYSDDEC (716) 851-7220 TELEPHONE NUMBER: REGION NO.: 9

CONTRACT LABORATORY: COLUMBIA COUNTY: ERIE SAMPLING DATE: 04-02-98 MILITARY TIME:

SAMPLE MATRIX: Air, Soil/Sediment, Groundwater, Surface Water, Wastewater, Other 1245 hrs

CASE NO. X SDG NO. SAMPLE NO. CHECK FOR MS/MD TYPE OF SAMPLE This sample, Grab, Composite, Term hours

SAMPLING POINT: Report via Category B, unless checked, Check if field duplicate, Check if sampling is part of inspection, FLOW: GPD, MGD, SPDES NUMBER/REGISTRY NUMBER



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|---|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34 |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other | |

NOTE: PCBs only, No MS/MSD, - Composite @ 2 oz. Jar

HAZARDOUS WASTES/RCRA ANALYSIS SW646

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63 Percent Solids | <input type="checkbox"/> 68. Metals—17. Hazardous |

MUNICIPAL SLUDGE

56. RS-01 57. RS-02 58. Other _____

COLLECTED BY: *Dr. Szymanski / M. Moore NYDEC (716) 851-7220* TELEPHONE NUMBER: REGION NO.: *9*

CONTRACT LABORATORY: *COLUMBIA* COUNTY: *ERIE* SAMPLING DATE: *04/02/98* MILITARY TIME: *1300 hrs*

SAMPLE MATRIX:

- Air Soil/Sediment Groundwater Surface Water Wastewater Other

CASE NO. <i>AH9980402</i>	SDG NO. <i>B081EM</i>	SAMPLE NO.	CHECK FOR MS/MD <input type="checkbox"/> This sample	TYPE OF SAMPLE <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Term _____ hours
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Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked:

Check if field duplicate: Outfall Number

Check if sampling is part of inspection:

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|--|--|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34 |
| <input checked="" type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input checked="" type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <u>NO MS/MSD</u> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63. Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

56. RS-01 57. RS-02 58. Other _____

COLLECTED BY: D. Szymanski / M. Moore - NYSDA TELEPHONE NUMBER: (716) 851-7220 REGION NO.: 9

CONTRACT LABORATORY: COLUMBIA COUNTY: ERIE SAMPLING DATE: 04-02-98 MILITARY TIME: _____

SAMPLE MATRIX: Air Soil/Sediment Groundwater Surface Water Wastewater Other From Seal of

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
<u>2119980402</u>	<u>B08101</u>	<u>B08101</u>	<input type="checkbox"/> This sample	<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Term _____ hours

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: _____

Report via Category B, unless checked

Check if field duplicate Outfall Number _____

Check if sampling is part of inspection

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER _____

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|---|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34 |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <u>NOTE: PCB'S ONLY. NO MS/MSD</u> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63. Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

56. RS-01 57. RS-02 58. Other _____

COLLECTED BY:

D. Szymanski / M. Moore - NYSDOE

TELEPHONE NUMBER:

(916) 851-7220

REGION NO.:

9

CONTRACT LABORATORY:

COLUMBIA

COUNTY:

ERIE

SAMPLING DATE:

04/02/98

MILITARY TIME:

1120 hrs

SAMPLE MATRIX:

- Air Soil/Sediment Groundwater Surface Water Wastewater Other _____

CASE NO.

RH 991804102

SDG NO.

811M1

SAMPLE NO.

811M1

CHECK FOR MS/MD

- This sample

TYPE OF SAMPLE

- Grab Composite Term _____ hours

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked

Check if field duplicate Outfall Number

Check if sampling is part of inspection

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|---|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34 |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <u>NOTE: PCBs ONLY. NO MS/MSD.</u> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63 Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

- 56. RS-01
- 57. RS-02
- 58. Other

COLLECTED BY: D. Szymanski / M. Moore TELEPHONE NUMBER: NYSDEC (916) 851-7220 REGION NO.: 9

CONTRACT LABORATORY: COLUMBIA COUNTY: ERIE SAMPLING DATE: 09-02/98 MILITARY TIME: 1125 hrs

SAMPLE MATRIX: Air Soil/Sediment Groundwater Surface Water Wastewater Other

CASE NO. <u>RH9980402</u>	SDG NO. <u>B081M2</u>	SAMPLE NO. <u>B081M2</u>	CHECK FOR MS/MD <input type="checkbox"/> This sample	TYPE OF SAMPLE <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Term hours
---------------------------	-----------------------	--------------------------	--	--

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked <input type="checkbox"/>
Check if field duplicate <input type="checkbox"/> Outfall Number
Check if sampling is part of inspection <input type="checkbox"/>
FLOW: _____ GPD _____ MGD
SPDES NUMBER/REGISTRY NUMBER



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|---|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|---|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34 |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <u>NOTE: PCBs only. NO MS/MSD.</u> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW/846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63 Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

56. RS-01 57. RS-02 58. Other

COLLECTED BY:

D. Szymanski / M. Moore - NY SDEC

TELEPHONE NUMBER:

(716) 851-7220

REGION NO.:

9

CONTRACT LABORATORY:

COLUMBIA

COUNTY:

FRIE

SAMPLING DATE:

04-02-98

MILITARY TIME:

1130 hrs

SAMPLE MATRIX:

- Air Soil/Sediment Groundwater Surface Water Wastewater Other

CASE NO.:

RA91980902

SDG NO.:

SAMPLE NO.:

B08113

CHECK FOR MS/MD

- This sample

TYPE OF SAMPLE

- Grab Composite Term _____ hours

- Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked

Check if field duplicate Outfall Number

Check if sampling is part of inspection

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|---|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34 |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <u>NOTE: PCBs only; NO MS/MSD</u> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63 Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

56. RS-01 57. RS-02 58. Other _____

COLLECTED BY: <i>D. Seymour / M. Moore - NYSDEC</i>		TELEPHONE NUMBER: <i>(916) 851-7220</i>	REGION NO.: <i>9</i>
CONTRACT LABORATORY: <i>COUMBIA</i>	COUNTY: <i>ERIE</i>	SAMPLING DATE: <i>04-02-98</i>	MILITARY TIME: <i>1135hr</i>

SAMPLE MATRIX:

- Air Soil/Sediment Groundwater Surface Water Wastewater Other _____

CASE NO. <i>RH9980902</i>	SDG NO. <i>3084M4</i>	SAMPLE NO. <i>3084M4</i>	CHECK FOR MS/MD <input type="checkbox"/> This sample	TYPE OF SAMPLE <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Term _____ hours
------------------------------	--------------------------	-----------------------------	---	---

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked- <input type="checkbox"/>
Check if field duplicate <input type="checkbox"/> Outfall Number _____
Check if sampling is part of inspection <input type="checkbox"/>
FLOW: _____ GPD _____ MGD
SPDES NUMBER/REGISTRY NUMBER



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- 2. 13PP Metals
- 3. Volatiles—(USEPA 624 GC/MS)
- 4. Acids Base/Neutrals (USEPA 624 GC/MS)
- 5. Cyanide
- 6. Pesticides/PCBs (USEPA 608-GC)
- 7. Halogenated Volatiles (USEPA 601 GC)
- 8. Aromatic Volatiles USEPA 602 GC)
- 9. BOD
- 10. pH
- 11. COD
- 12. TSS
- 13. Settleable Solids
- 14. TKN
- 15. Ammonia
- 16. Nitrate/Nitrite
- 17. Total Phosphorus
- 18. Reactive Phosphorus
- 19. Oil/Grease)
- 20. TOC
- 21. Total Phenols
- 22. Other _____
- 59. PCBs at 0.065 ug/l
- 60. PCBs congener method (ASP 91-11)
- 64. Total Solids
- 62. CBOD
- 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- 23 (ALL)—Water—Includes 24-28
- 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
- 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
- 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
- 27 Metals—23 in Water
- 28 Cyanide—Water
- 66 Dioxin-Water (ASP #91-7)
- 35 Other *NOTE: PCBs ONLY; NO MS/MSD*
- 29. (ALL)—Soil/Sediments—Includes 30-34 -
- 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
- 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
- 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
- 33. Metals—23 in Soil/Sediments)
- 34. Cyanide—Soil/Sediments)
- 67. Dioxin-Soil/Sediments (ASP #91-7)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- 36. EP Toxicity
- 37. EP Toxicity (Metals Only)
- 38. Ignitability
- 39. Corrosivity
- 40. VOA—(USEPA 8260 GC/MS)
- 41. BNA—(USEPA 8270 GC/MS)
- 42. Pesticides/PCBs (USEPA 8081)
- 43. TCLP
- 44. TCLP (Metals Only)
- 45. Reactivity
- 46. Dioxin (USEPA 8280)
- 47. Appendix IX
- 48. Other _____
- 63 Percent Solids
- 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- 56. RS-01
- 57. RS-02
- 58. Other _____

COLLECTED BY: *D. Szymanski / M. Moore - NYSDCE* TELEPHONE NUMBER: *(716) 851-7220* REGION NO.: *9*

CONTRACT LABORATORY: *Columbia* COUNTY: *ELIE* SAMPLING DATE: *04/02/98* MILITARY TIME: *1145 hrs.*

SAMPLE MATRIX: Air Soil/Sediment Groundwater Surface Water Wastewater Other _____

CASE NO. *RA 9980442* SDG NO. *BO81MS* SAMPLE NO. *BO81MS* CHECK FOR MS/MD This sample TYPE OF SAMPLE Grab Composite Term _____ hours

Check if there will be more samples with this SDG sent in this calendar week. SAMPLING POINT: _____

Report via Category B, unless checked
 Check if field duplicate Outfall Number _____
 Check if sampling is part of inspection
 FLOW: _____ GPD _____ MGD _____
 SPDES NUMBER/REGISTRY NUMBER _____



CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|---|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34.. |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <u>NOTE: PCBs only; NO MS/MSD</u> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63. Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

56. RS-01 57. RS-02 58. Other _____

COLLECTED BY: D. Symarski / M. Moore - NYSDE TELEPHONE NUMBER: (716) 851-7220 REGION NO.: 9

CONTRACT LABORATORY: COLUMBIA COUNTY: ERIE SAMPLING DATE: 04-02-98 MILITARY TIME: 1150 hrs.

SAMPLE MATRIX:

- Air Soil/Sediment Groundwater Surface Water Wastewater Other _____

CASE NO. <u>A119980402</u>	SDG NO. <u>B08AMB</u>	SAMPLE NO. _____	CHECK FOR MS/MD <input type="checkbox"/> This sample	TYPE OF SAMPLE <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Term _____ hours
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Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: _____

Report via Category B, unless checked <input type="checkbox"/>
Check if field duplicate: <input type="checkbox"/> Outfall Number _____
Check if sampling is part of inspection <input type="checkbox"/>
FLOW: _____ GPD _____ MGD
SPDES NUMBER/REGISTRY NUMBER



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| <input type="checkbox"/> 2. 13PP Metals | <input type="checkbox"/> 3. Volatiles—(USEPA 624 GC/MS) | <input type="checkbox"/> 6. Pesticides/PCBs (USEPA 608-GC) |
| <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 624 GC/MS) | <input type="checkbox"/> 5. Cyanide | <input type="checkbox"/> 9. BOD |
| <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601 GC) | <input type="checkbox"/> 8. Aromatic Volatiles USEPA 602 GC) | <input type="checkbox"/> 12. TSS |
| <input type="checkbox"/> 10. pH | <input type="checkbox"/> 11. COD | <input type="checkbox"/> 15. Ammonia |
| <input type="checkbox"/> 13. Settleable Solids | <input type="checkbox"/> 14. TKN | <input type="checkbox"/> 18. Reactive Phosphorus |
| <input type="checkbox"/> 16. Nitrate/Nitrite | <input type="checkbox"/> 17. Total Phosphorus | <input type="checkbox"/> 21. Total Phenols |
| <input type="checkbox"/> 19. Oil/Grease) | <input type="checkbox"/> 20. TOC | <input type="checkbox"/> 60. PCBs congener method (ASP 91-11) |
| <input type="checkbox"/> 22. Other _____ | <input type="checkbox"/> 59. PCBs at 0.065 ug/l | <input type="checkbox"/> 64. Total Solids |
| | <input type="checkbox"/> 62. CBOD | <input type="checkbox"/> 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|---|---|
| <input type="checkbox"/> 23 (ALL)—Water—Includes 24-28 | <input type="checkbox"/> 29. (ALL)—Soil/Sediments—Includes 30-34 |
| <input type="checkbox"/> 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | <input type="checkbox"/> 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| <input type="checkbox"/> 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | <input type="checkbox"/> 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| <input type="checkbox"/> 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | <input checked="" type="checkbox"/> 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| <input type="checkbox"/> 27 Metals—23 in Water | <input type="checkbox"/> 33. Metals—23 in Soil/Sediments) |
| <input type="checkbox"/> 28 Cyanide—Water | <input type="checkbox"/> 34. Cyanide—Soil/Sediments) |
| <input type="checkbox"/> 66 Dioxin-Water (ASP #91-7) | <input type="checkbox"/> 67. Dioxin-Soil/Sediments (ASP #91-7) |
| <input type="checkbox"/> 35 Other <u>NOTE: PCBs only; No MS/MSD</u> | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| <input type="checkbox"/> 36. EP Toxicity | <input type="checkbox"/> 37. EP Toxicity (Metals Only) | <input type="checkbox"/> 38. Ignitability |
| <input type="checkbox"/> 39. Corrosivity | <input type="checkbox"/> 40. VOA—(USEPA 8260 GC/MS) | <input type="checkbox"/> 41. BNA—(USEPA 8270 GC/MS) |
| <input type="checkbox"/> 42. Pesticides/PCBs (USEPA 8081) | <input type="checkbox"/> 43. TCLP | <input type="checkbox"/> 44. TCLP (Metals Only) |
| <input type="checkbox"/> 45. Reactivity | <input type="checkbox"/> 46. Dioxin (USEPA 8280) | <input type="checkbox"/> 47. Appendix IX |
| <input type="checkbox"/> 48. Other _____ | <input type="checkbox"/> 63. Percent Solids | <input type="checkbox"/> 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

56. RS-01 57. RS-02 58. Other _____

COLLECTED BY: <i>D. Szymanski / M. Moore - NYSDEC</i>	TELEPHONE NUMBER: <i>(716) 851-7220</i>	REGION NO.: <i>9</i>
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CONTRACT LABORATORY: <i>COLUMBIA</i>	COUNTY: <i>ERT</i>	SAMPLING DATE: <i>04/02/98</i>	MILITARY TIME: <i>1155 hrs</i>
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SAMPLE MATRIX:

- Air Soil/Sediment Groundwater Surface Water Wastewater Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
<i>R 419918</i>	<i>04102</i>	<i>BQ81M7</i>	<input type="checkbox"/> This sample	<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Term _____ hours

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked <input type="checkbox"/>
Check if field duplicate <input type="checkbox"/> Outfall Number _____
Check if sampling is part of inspection <input type="checkbox"/>
FLOW: _____ GPD _____ MGD
SPDES NUMBER/REGISTRY NUMBER
_____ _____ _____ _____ _____ _____

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B081W1

Lab Name: Columbia Analytical Services Contract: NYSDEC
 Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402
 Matrix: (soil/water) WATER Lab Sample ID: 203473
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO441.D
 Level: (low/med) LOW Date Received: 04/03/98
 % Moisture: _____ decanted:(Y/N) N Date Extracted: 04/08/98
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
108-95-2	Phenol	10		U
111-44-4	bis(-2-Chloroethyl)Ether	10		U
95-57-8	2-Chlorophenol	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-50-1	1,2-Dichlorobenzene	10		U
108-60-1	2,2'-oxybis(1-Chloropropane)	10		U
95-48-7	2-Methylphenol	10		U
621-24-7	N-Nitroso-Di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
106-44-5	4-Methylphenol	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	10		U
111-91-1	bis(-2-Chloroethoxy)Methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	10		U
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	10		U
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	25		U
91-58-7	2-Chloronaphthalene	10		U
88-74-4	2-Nitroaniline	25		U
208-96-8	Acenaphthylene	10		U
131-11-3	Dimethyl Phthalate	10		U
606-20-2	2,6-Dinitrotoluene	10		U
83-32-9	Acenaphthene	10		U
99-09-2	3-Nitroaniline	25		U
51-28-5	2,4-Dinitrophenol	25		U
132-64-9	Dibenzofuran	10		U
121-14-2	2,4-Dinitrotoluene	10		U
100-02-7	4-Nitrophenol	25		U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B081W1

Lab Name: Columbia Analytical Services Contract: NYSDEC
 Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402
 Matrix: (soil/water) WATER Lab Sample ID: 203473
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO441.D
 Level: (low/med) LOW Date Received: 04/03/98
 % Moisture: _____ decanted:(Y/N) N Date Extracted: 04/08/98
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	25	U	
534-52-1	4,6-Dinitro-2-methylphenol	25	U	
86-30-6	N-Nitrosodiphenylamine	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	25	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
86-74-8	Carbazole	10	U	
84-74-2	Di-n-Butylphthalate	2	J	
206-44-0	Fluoranthene	10	U	
129-00-0	Pyrene	10	U	
85-68-7	Butyl benzyl phthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)Anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	Bis(2-Ethylhexyl)Phthalate	1	J	
117-84-0	Di-n-octyl phthalate	10	U	
205-99-2	Benzo(b)fluoranthene	10	U	
207-08-9	Benzo(k)Fluoranthene	10	U	
50-32-8	Benzo(a)Pyrene	10	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U	
53-70-3	Dibenz(a,h)anthracene	10	U	
191-24-2	Benzo(g,h,i)Perylene	10	U	

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B081W1

Lab Name: Columbia Analytical Services Contract: NYSDEC
 Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402
 Matrix: (soil/water) WATER Lab Sample ID: 203473
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO441.D
 Level: (low/med) LOW Date Received: 04/03/98
 % Moisture: _____ decanted: (Y/N) N Date Analyzed: 04/14/98
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	3.84	29	JB
2. 000822-67-3	2-Cyclohexen-1-ol	4.35	8	JNAB
3. 000930-68-7	2-Cyclohexen-1-one	5.10	6	JNAB
4. 000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	9.50	5	JNAB
5.	unknown	10.33	5	JB
6.	unknown acid type	11.84	2	J
7.	unknown	13.54	3	J
8.	unknown acid type	17.17	8	JB
9.	unknown acid type	18.47	9	J
10.	unknown acid type	19.73	4	JB
11.	unknown	21.91	3	JB
12.	unknown	22.93	2	JB

NYS DEC - Region 9

Project Reference: 1 HOWELL ST.-RH998-SDG#0402

Client Sample ID : BO81 M1

Date Sampled : 04/02/98 Order #: 203459 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 73.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/24/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	36	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	68	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	72	%

NYS DEC - Region 9

Project Reference: 1 HOWELL ST.-RH998-SDG#0402

Client Sample ID : B081 M2

Date Sampled : 04/02/98 Order #: 203460 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 78.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED		: 04/08/98	
DATE ANALYZED		: 04/24/98	
ANALYTICAL DILUTION:	10.0		Dry Weight
PCB 1016	17	220 U	UG/KG
PCB 1221	17	220 U	UG/KG
PCB 1232	17	220 U	UG/KG
PCB 1242	17	220 U	UG/KG
PCB 1248	17	220 U	UG/KG
PCB 1254	17	3600	UG/KG
PCB 1260	17	220 U	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	52	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	66	%

NYS DEC - Region 9
 Project Reference: 1 HOWELL ST.-RH998-SDG#0402
 Client Sample ID : B081 M3

Date Sampled : 04/02/98 Order #: 203461 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 73.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/28/98			
ANALYTICAL DILUTION: 20.0			Dry Weight
PCB 1016	17	460 U	UG/KG
PCB 1221	17	460 U	UG/KG
PCB 1232	17	460 U	UG/KG
PCB 1242	17	460 U	UG/KG
PCB 1248	17	460 U	UG/KG
PCB 1254	17	5800	UG/KG
PCB 1260	17	460 U	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	67	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	81	%

NYS DEC - Region 9
 Project Reference: 1 HOWELL ST.-RH998-SDG#0402
 Client Sample ID : B081 M4

Date Sampled : 04/02/98 Order #: 203462 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 43.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 04/08/98		
DATE ANALYZED	: 04/24/98		
ANALYTICAL DILUTION:	10.0		Dry Weight
PCB 1016	17	390 U	UG/KG
PCB 1221	17	390 U	UG/KG
PCB 1232	17	390 U	UG/KG
PCB 1242	17	390 U	UG/KG
PCB 1248	17	390 U	UG/KG
PCB 1254	17	4100	UG/KG
PCB 1260	17	390 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	52	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	65	%

NYS DEC - Region 9

Project Reference: 1 HOWELL ST.-RH998-SDG#0402

Client Sample ID : B081 M5

Date Sampled : 04/02/98 Order #: 203463 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 65.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 04/08/98		
DATE ANALYZED	: 04/24/98		
ANALYTICAL DILUTION:	10.0		Dry Weight
PCB 1016	17	260 U	UG/KG
PCB 1221	17	260 U	UG/KG
PCB 1232	17	260 U	UG/KG
PCB 1242	17	260 U	UG/KG
PCB 1248	17	260 U	UG/KG
PCB 1254	17	800	UG/KG
PCB 1260	17	260 U	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	60	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	56	%

NYS DEC - Region 9
 Project Reference: 1 HOWELL ST.-RH998-SDG#0402
 Client Sample ID : B081 M6

Date Sampled : 04/02/98 Order #: 203464 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 70.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 04/08/98		
DATE ANALYZED	: 04/22/98		
ANALYTICAL DILUTION:	1.0		Dry Weight
PCB 1016	17	24 U	UG/KG
PCB 1221	17	24 U	UG/KG
PCB 1232	17	24 U	UG/KG
PCB 1242	17	24 U	UG/KG
PCB 1248	17	24 U	UG/KG
PCB 1254	17	110	UG/KG
PCB 1260	17	24 U	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	56	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	59	%

NYS DEC - Region 9

Project Reference: 1 HOWELL ST.-RH998-SDG#0402

Client Sample ID : B081 M7

Date Sampled : 04/02/98 Order #: 203465 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 79.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/22/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	21 U	UG/KG
PCB 1221	17	21 U	UG/KG
PCB 1232	17	21 U	UG/KG
PCB 1242	17	21 U	UG/KG
PCB 1248	17	21 U	UG/KG
PCB 1254	17	21 U	UG/KG
PCB 1260	17	49	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	72	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	80	%

NYS DEC - Region 9
 Project Reference: 1 HOWELL ST.-RH998-SDG#0402
 Client Sample ID : B081 M8

Date Sampled : 04/02/98 Order #: 203466 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 80.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/22/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	21 U	UG/KG
PCB 1221	17	21 U	UG/KG
PCB 1232	17	21 U	UG/KG
PCB 1242	17	21 U	UG/KG
PCB 1248	17	21 U	UG/KG
PCB 1254	17	21 U	UG/KG
PCB 1260	17	91	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	76	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	90	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

METHOD 95-3

Reported: 05/11/98

NYS DEC - Region 9

Project Reference: 1 HOWELL ST.-RH998-SDG#0402

Client Sample ID : BO81 M9

Date Sampled : 04/02/98 Order #: 203467 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 67.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	25 U	UG/KG
PCB 1221	17	25 U	UG/KG
PCB 1232	17	25 U	UG/KG
PCB 1242	17	25 U	UG/KG
PCB 1248	17	25 U	UG/KG
PCB 1254	17	25 U	UG/KG
PCB 1260	17	310	UG/KG

SURROGATE RECOVERIES

QC LIMITS

DECACHLOROBIPHENYL	(30 - 150 %)	96	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	89	%

NYS DEC - Region 9
 Project Reference: 1 HOWELL ST.-RH998-SDG#0402
 Client Sample ID : B081 AM

Date Sampled : 04/02/98 Order #: 203468 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 72.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 04/08/98		
DATE ANALYZED	: 04/24/98		
ANALYTICAL DILUTION:	1.0		Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	110	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	23 U	UG/KG
<u>SURROGATE RECOVERIES</u>		<u>QC LIMITS</u>	
DECACHLOROBIPHENYL	(30 - 150 %)	71	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	70	%

NYS DEC - Region 9

Project Reference: 1 HOWELL ST.-RH998-SDG#0402

Client Sample ID : B081 BM

Date Sampled : 04/02/98 Order #: 203469 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 66.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED	: 04/08/98		
DATE ANALYZED	: 04/23/98		
ANALYTICAL DILUTION:	1.0		Dry Weight
PCB 1016	17	26 U	UG/KG
PCB 1221	17	26 U	UG/KG
PCB 1232	17	26 U	UG/KG
PCB 1242	17	26 U	UG/KG
PCB 1248	17	26 U	UG/KG
PCB 1254	17	26 U	UG/KG
PCB 1260	17	26 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	80	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	85	%

NYS DEC - Region 9

Project Reference: 1 HOWELL ST.-RH998-SDG#0402

Client Sample ID : B081 CM

Date Sampled : 04/02/98 Order #: 203470 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 73.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	23 U	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	66	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	71	%

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : B081 DM

Date Sampled : 04/02/98 Order #: 203471 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 61.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	27 U	UG/KG
PCB 1221	17	27 U	UG/KG
PCB 1232	17	27 U	UG/KG
PCB 1242	17	27 U	UG/KG
PCB 1248	17	27 U	UG/KG
PCB 1254	17	94	UG/KG
PCB 1260	17	27 U	UG/KG

<u>SURROGATE RECOVERIES</u>	<u>QC LIMITS</u>		
DECACHLOROBIPHENYL	(30 - 150 %)	82	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	89	%

NYS DEC - Region 9
 Project Reference: 1 HOWELL ST.-RH998-SDG#0402
 Client Sample ID : B081 EM

Date Sampled : 04/02/98 Order #: 203472 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 75.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	100	UG/KG
PCB 1260	17	23 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	76	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	92	%

COLUMBIA ANALYTICAL SERVICES

Reported: 05/11/98

NYS DEC - Region 9
 Project Reference: 1 HOWELL ST.-RH998-SDG#0402
 Client Sample ID : B081 M9

Date Sampled : 04/02/98 Order #: 203467 Sample Matrix: SOIL/SEDIMENT
 Date Received: 04/03/98 Submission #: 9804000094

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION
METALS					
ALUMINUM	10.0	5850	MG/KG	04/22/98	1.0
ANTIMONY	6.00	8.84 U	MG/KG	04/22/98	1.0
ARSENIC	1.00	110	MG/KG	04/22/98	1.0
BARIUM	2.00	131	MG/KG	04/22/98	1.0
BERYLLIUM	0.500	0.736 U	MG/KG	04/22/98	1.0
CADMIUM	0.500	1.69	MG/KG	04/22/98	1.0
CALCIUM	50.0	4790	MG/KG	04/22/98	1.0
CHROMIUM	1.00	33.4	MG/KG	04/22/98	1.0
COBALT	5.00	12.9	MG/KG	04/22/98	1.0
COPPER	2.00	128	MG/KG	04/22/98	1.0
IRON	10.0	70800	MG/KG	04/30/98	1.0
LEAD	5.00	290	MG/KG	04/22/98	1.0
MAGNESIUM	50.0	1220	MG/KG	04/22/98	1.0
MANGANESE	1.00	651	MG/KG	05/06/98	1.0
MERCURY	0.150	0.242	MG/KG	04/17/98	1.0
NICKEL	4.00	39.3	MG/KG	04/22/98	1.0
POTASSIUM	200	1160	MG/KG	04/30/98	1.0
SELENIUM	0.500	1.23 S	MG/KG	05/01/98	1.0
SILVER	1.00	1.47 U	MG/KG	04/22/98	1.0
SODIUM	50.0	249	MG/KG	04/30/98	1.0
THALLIUM	1.00	1.47 U	MG/KG	04/22/98	1.0
VANADIUM	5.00	15.3	MG/KG	04/22/98	1.0
ZINC	1.00	305	MG/KG	05/06/98	1.0
WET CHEMISTRY					
PERCENT SOLIDS	1.0	67.9	%	04/08/98	1.0